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(54) Title: RECOVERING A SIGNAL WITHOUT A PHASE LOCKED LOOP
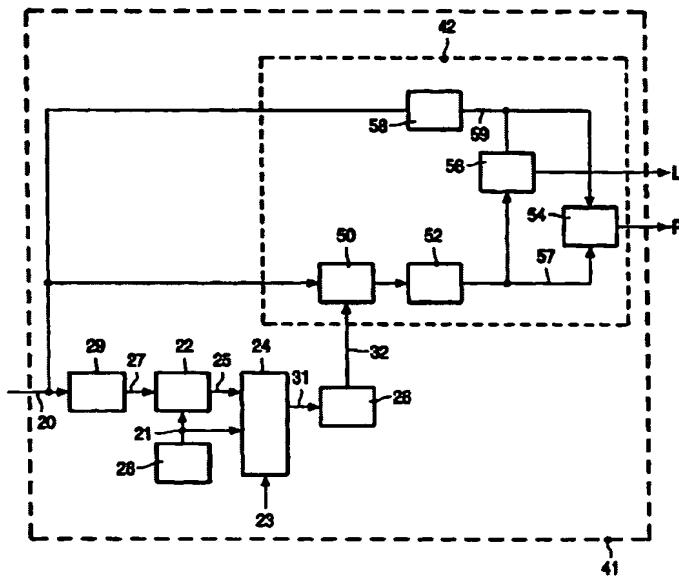
(57) Abstract: An arrangement for recovering a first digital signal (7,31) from a digital input signal (20) comprises a digital filter (29) for filtering the digital input signal (20), a digitally controlled oscillator 28 for generating a digital reference signal (21) and a digital phase detector (22) for determining a phase difference (25) between the filtered digital input signal (27) and the digital reference signal (21). The first digital signal (7, 31) can be recovered by adding the determined phase difference (25) to the phase of the digital reference signal (21).

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